PROJECT TITLE : Unit Operations I

PERIOD COVERED : May 24th - June 27th, 1980

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NINOMASS

During the start up of the rented fluidized bed dryer from Aeromatic some technical problems had to be solved. Now the machine works in three shift operation without problems. Until now 180 kg of dried NINOMASS were produced.
VLGZ was contacted and a meeting is foreseen on July 16th, during which the next steps will be co-ordinated.
The test procedure for the use of dried NINOMASS as animal feed will be established.

RL-HANDSHEET MAKING UNIT

The development lab. of Dow Chemical Europe in Horgen was visited (Ref. 1). The objective of the visit was to see what type of equipment they use to produce handsheets.
Offers for different handsheet making units were received from two representatives for paper testing equipment.

The analyses from the handsheets made in Biberist were received (Ref. 2).

	Sheet 1	Sheet 2	RL base web (USA)
Freeness ^{o}SR (Schopper-Riegler)	73	76	*
Substance	89 g/m^2	72 g/m^2	71 g/m^2
Thickness	0.276 mm	0.210 mm	0.155 mm
Density (calculated)	0.32 g/cm^3	0.32 g/cm^3	0.46 g/cm^3
Tensile strength	1.344 kg	0.905 kg	1.165 kg

* not analyzed

The two sheets made in Biberist are different from the US base web. The US sheet shows same substance at lower thickness, i.e. its density is higher.

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Source: https://www.industrydocuments.ucsf.edu/docs/rsml0000

REFERENCES

Ref. 1 : Report on the visit to Dow Chemical Europe in Horgen of June 19th, 1980.

Ref. 2 : Monthly report, May 1980, Unit Operations I, P. Karbacher.

PROCESS DEVELOPMENT

P. Karbacher

July 1st, 1980
KPA/sde

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